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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/773,161	02/09/2004	Masami Saito	8017-1124	6775

466 7590 12/09/2004

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EXAMINER

DOWLING, WILLIAM C

ART UNIT	PAPER NUMBER
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2851

DATE MAILED: 12/09/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/773,161

Applicant(s)

SAITO, MASAMI

Examiner

William C. Dowling

Art Unit

2851

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 February 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4, 7, 8, 10, 12, 13, 18, 20-23 and 25 is/are rejected.
- 7) ☒ Claim(s) 1, 5, 6, 9, 14-17, 19 and 24 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 09 February 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 2904.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 3, 7, 10, 12, 18, 20, 23, 25 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Haile-mariam.

Haile-mariam discloses a projection device comprising:

a projector (7);

a installation fixture including a lower portion (9) for attaching the projector to an upper surface of a desk or table.

The attaching device may be formed of a lower portion which is bolted to a work surface by means of a fixed base (33) and a projector holding portion (10), the two portions being detachable by means of collar and screw (30, 31) slidably engagable with each other. Figure 3

Haile-mariam discloses an invention wherein the projector is supported by a tray and fixed to a table by channel members (17, 18).

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3. Claims 1, 4 are rejected under 35 U.S.C. 102(b) as being anticipated by Inova.

4. Inova discloses a projection arrangement comprising a front projector (26) detachably mounted below an upper surface of a table (25).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

6. Claims 8, 13, 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Haile-mariam.

Haile-mariam discloses an invention wherein the projector is supported by a tray and fixed to a table by channel members(17, 18). Haile-mariam further shows a threaded member (20) for varying the gap in the channel

It is a well know structure for a tray to have a flat portion with abutted short sides (e.g. cookie tray). Such a structure may be considered to be made of L shaped portions.

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It would have be obvious to one skilled in the art to utilize such a "tray" in the device of Haile-mariam in order to prevent slippage of the projector.

7. Claims 2, 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Haile-mariam in view of Sunaga.

Haile-mariam discloses the invention substantially as claimed but does not specify structure of the projector itself, such as the use of an aspherical mirror in the optical train.

Sunaga teaches a projection optical train including aspherical mirrors.

It would have been obvious to one skilled in the art to modify the device of Haile-mariam by the use of structures known in projectors, such as aspherical mirrors in order to correct for optical aberrations where necessary.

Allowable Subject Matter

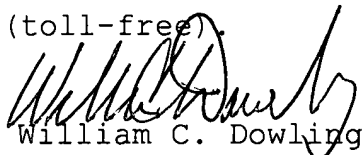
8. Claims 5-6, 9, 11, 14-17, 19, 24 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to William

C. Dowling whose telephone number is 571-272-2116. The examiner can normally be reached on MON-TUES, THURS-FRI.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on 571-272-2258. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


William C. Dowling
Primary Examiner
Art Unit 2851

wcd